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FORM PTO-1595 (Modified) (Rev. 03-01)		RECORDATION FO	RM COVER S	SHEET	U.S. DEPARTMENT OF COMMERC
OMB No. 0651-0027 (exp.5/31/2002) P08/REV03		PATEN1	S ONL	Y	Patent and Trademark Office
Tab settings → → ▼	▼	▼	▼	- ▼	▼ ▼
To the Honorable Commissioner o	f Pate	nts and Trademarks:	Please record	the attached	original documents or copy thereof.
Name of conveying party(ies): Etalon Systems, Inc.			Name: <u>E</u>	agle New Medi	a Investments, LLC
Additional names(s) of conveying party(les)		🗌 Yes 🔀 No			
3. Nature of conveyance:					
Assignment Security Agreement		Merger Change of Name	Street Ad	dress: 435 No	rth Michigan Avenue
Other			City: Chie	cago	State: IL ZIP: 60611
Execution Date: July 14, 2003			Additional na	me(s) & address	s(es) attached? 🔲 Yes 🔀 No
If this document is being filed toge A. Patent Application No.(s) 09/854,334; 09/854,339; 09 09/783,932; 09/844,642; 09 09/875,546; 09/875,460; 09 09/875,461; 09/875,547; 09 09/733,824; 09/909,630; 10	//783, //858, //875, //947, //029,	886; 762; 707; 286;	B. P 6,342,8 6,570,5 and 6,5	ratent No.(s) 84; 6,456,28° 86; 6,229,54° 825,728	7; 6,356,280; 6,452,594; 1; 6,421,067; 6,205,485;
Name and address of party to who concerning document should be many and the state of the st		respondence	6. Total num	ber of applicat	ions and patents involved: 76
Name: Robert J. Depke Internal Address: Holland & Knig	ht LL	C	☐ Enclos	sed - Any exce ed or debited to	ss or insufficiency should be deposit account
					
Street Address: 131 South Dearbo	rn, 30	th Floor	8. Deposit ac	count number	50-1597
City: Chicago S	ate: <u>I</u>	L ZIP: 60603	(Attach du)	olicate copy of this	page if paying by deposit account)
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Statement and signature. To the best of my knowledge and be of the original document.	elief, t	the foregoing informa	tion is true and	d correct and a	ny attached copy is a true copy

Philip W. Woo, Reg. No. 39,880

July 18, 2003

Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

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Date

Signature

Docket No.: 90795/12650

FORM: PTO-1595 (Modified) (Rev. 03-01) OMB No. 0851-0027 (exp.5/31/2002)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

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To the Honorable Commissione	er of Patents and Trademarks	: Please record	the attached original	inal documents or co	py thereof.
1. Name of conveying party(ies): Etalon Systems, Inc.		2. Name and	d address of rece	iving party(ies):	
		Name: E	agle New Media I	nvestments, LLC	
		Internal A	ddress: <u>c/o Trib</u>	une Media Services, I	ne.
Additional names(s) of conveying party(les) 🔲 Yes 🔀 No				
3. Nature of conveyance:					
Assignment	☐ Merger	Street Add	dress: 435 North	Michigan Avenue	
☐ Security Agreement	☐ Change of Name		•		
Other		City: Chic	ago	State: IL Z	IP: <u>60611</u>
Execution Date: July 14, 2003		Additional nar	me(s) & address(es	s) attached?	⊠ No
4. Application number(s) or pater	nt numbers(s):				
If this document is being filed t	ogether with a new application	, the execution	date of the applic	cation is:	•
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09/783,932; 09/844,642				6,421,067; 6,205,48	•
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09/875,461; 09/875,547	•		- ,		
. 09/733,824; 09/909,630	Additional numbers attac	¦ ched? ⊠2 Ye:	s 🗆 No		
5. Name and address of party to	whom correspondence				
concerning document should b		6. Total num	ber of application	s and patents involve	d: 76
Name: Robert J. Depke		7. Total fee ((37 CFR 3.41):	\$ 3,040.00	
Internal Address: Holland & I	Knight LLC	☐ Enclos	sed - Any excess	or insufficiency shoul	d be
		credite	ed or debited to de	posit account	
		Author	rized to be charge	ed to deposit account	
Street Address: 131 South Des	arborn, 30th Floor	8. Deposit ac	count number:		
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City: Chicago	State: <u>IL</u> ZIP: <u>60603</u>	(Attach dup	licate copy of this page	ge if paying by deposit acc	count)
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To the best of my knowledge at of the original document.	nd belief, the foregoing informa	ation is true and	f correct and any	attached copy is a tr	ів сору
Philip W. Woo, Reg. No. 39,880		h_		July 18, 2003	
Name of Person Signin		Signature		Date	
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FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE
	COVER SHEET - Page Two Patent and Trademark Office
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To the Honorable Director of Patents and Trademarks. Pleas	se record the attached original documents or copy thereof.
1. Additional name(s) of conveying party(ies):	2. Additional Names and address of receiving party(ies):
	Name:
	Internal Address:
	Street Address:
	City State ZIP
	Name:
	Internal Address:
	Street Address:
4. Additional Application number(s) or patent number(s):	
A. Patent Application No.(s)	B. Patent No.(s)
10/029,508; 09/997,713; 09/997,336; 10/008,229;	
10/011,856; 10/072,114; 10/059,943; 10/059,547;	
10/087,778; 10/085,886; 10/090,206; 10/157,574; 10/071,091; 10/087,975; 10/159,543; 10/166,810;	
10/171,024; 10/171,230; 10/177,462; 10/177,502;	
10/179,708; 10/179,713; 10/171,352; 09/718,595;	
10/039,589; 10/144,055; 10/156,167; 09/449,016; 09/784,961; 09/784,840; 09/691,794; 09/691,792;	
09/691,796; 09/704,387; 09/708,220; 09/691,790;	
09/752,612; 09/844,998; 09/653,518; 09/782,896;	
09/665,367; 09/782,916; 09/664,843; 09/661,164;	
09/664,844; 09/773,806; 09/773,771; 09/733,310; 09/996,456; 10/157,437; 10/351,228; and 10/351,027	
<u> </u>	



ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

- A. WHEREAS, Etalon Systems, Inc., a California corporation formerly known as iSurfTV ("Assignor"), and Eagle New Media Investments, LLC, a Delaware limited liability company ("Assignee"), are parties to that certain Asset Purchase Agreement dated as of July 2, 2003 (the "Purchase Agreement"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;
- B. WHEREAS, Assignor, warrants, affirms, and declares, without limitation, that Assignor is the sole owner of all rights in or under the intellectual property rights identified on Schedule A attached hereto.
- C. WHEREAS, Assignee desires to acquire all intellectual property rights identified on Schedule A attached hereto.
- D. NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby irrevocably sells, transfers, conveys and assigns to Assignee, its successors and assigns all intellectual property rights identified on Schedule A attached hereto and all goodwill associated therewith.
- E. Assignor and Assignee agree and confirm that the worldwide intellectual property rights that are hereby sold, transferred, conveyed and assigned to Assignee herein specifically include, without limitation, the following:
 - 1. the patents, patent registrations, patent applications (including, without limitation, provisional applications, and regardless of whether such applications are current or abandoned) and abandoned patents identified on Schedule A (the "Patents"), including all patent licenses, divisional applications, continuing applications, continuation-in-part applications, reissue filings and reissue patents, reexamination filings and reexamined patents, and the inventions disclosed and claimed in these Patents;
 - 2. all trademarks, service marks, trade names and company names, whether registered or unregistered, identified on Schedule A (the "Marks"), including, trademark and service mark registrations and renewals thereof, use-based applications for registration, and intent-to-use applications for registration, and all goodwill associated with the foregoing;
 - 3. all copyrights identified on Schedule A (the "Copyrights"), including any and all renewals, reversions and extensions thereof; and
 - 4. all claims, demands and causes of action which relate to any infringement of the Patents, Marks, or Copyrights, including rights to all past damages, profits

and other monetary and other remedies available, arising or accruing by reason of any infringement that has occurred prior to the effective date of this Assignment of Intellectual Property Rights, and to sue for and collect same by the Assignee for the use and benefit of the Assignee and its successors and assigns.

- F. Assignor further hereby appoints Assignee as its attorney-in-fact with respect to the Patents, Marks and Copyrights, to act in Assignor's name, place and stead to execute, deliver and record any instrument of assignment or other document in any country in which the Patents, Marks and/or Copyrights are or were pending or issued, granting, confirming, perfecting the transfer of or otherwise relating to the rights assigned herein.
- G. Assignor agrees that it shall execute all documents reasonably necessary to perfect Assignee's title to the Patents, Marks and Copyrights.
- H. Nothing contained herein in any way limits the scope of the Purchased Assets being transferred by Assignor to Assignee pursuant to the Purchase Agreement.
- I. The Assignor and Assignee acknowledge that this Assignment of Intellectual Property Rights may be executed in counterparts, each of which will be deemed an original, but both of which together will constitute one and the same instrument.

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this 146 day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By:
Name:
Title:

EAGLE NEW MEDIA
INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By:
Name:

Title:

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this ______ day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By:______ Name: Title:

EAGLE NEW MEDIA INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By: ______ Wave Media Investment of Intellectual Property Rights and Investment of Intellectual Property Rights this ______ day of July, 2003.

STATE OF CALIFORNIA)	
) SS.:	
COUNTY OF SANTA CLARA)	
On this 11 th day of July, 200	3, before me personally appeared
ceno R. Feroglia, to me known and kno	
	formerly known as iSurfTV, the corporation which
	knowledged to me that he executed the same.
one of the foregoing man and the first the fir	
Vihang Desai	Notary Public
Mand Dem	My Commission expires MAY WE 2007
·	
STATE OF ILLINOIS)	
) SS.:	VIEWIG N. DESA!
COUNTY OF COOK)	Commission # 1419000
\$ 5 E	Notary Public - California (*) 7 Sanja Clara County (*)
On this day of July,	, hap forman impen Wor 2019 987 beared
, to me known and kno	
	e sole manager of Eagle New Media Investments
	regoing instrument, and he acknowledged to me that
he executed the same.	-88
	Notary Public
	My Commission expires
	My Commission expires

STATE OF CALIFORNIA)	
) SS.:	
COUNTY OF	
On this day of July, 2003, b	pefore me personally appeared
_, to me known and known	to be, the
of Etalon Systems, Inc., for	merly known as iSurfTV, the corporation which
executed the foregoing instrument, and he acknowledge	owledged to me that he executed the same.
	N. 4 Dul-11.
	Notary Public
	My Commission expires
STATE OF ILLINOIS)	
) SS.:	
COUNTY OF COOK)	
On this day of July, 2003, be me known and known to be a Vice President of New Media Investments LLC, the corporation wacknowledged to me that he executed the same.	
OFFIGIN, SEAL KINDERLY LOPEZ HOTARY PEDLIC - PTATE OF ILLINOIS MY COMMISSION EXPIRES: 08-18-08	Notary Public My Commission expires <u>9-19-0</u> 6

SCHEDULE A

Marks SCHEDULE A
Title: iSurfTV Reg. No.:
Date registered:
Title: SurfGuide Reg. No.:
Date registered:
Title: SurfSuite
Reg. No.: Date registered:
Title: SurfLine Reg. No.:
Date registered:
Title: SurfLink
Reg. No.: Date registered:
Title: SurfServer
Reg. No.: Date registered:
Copyrights
Title: SurfServer source code and all related documentation. Reg. No.:
Date registered:
Title: SurfLine source code and all related documentation. Reg. No.:
Date registered:
Title: SurfGuide source code and all related documentation. Reg. No.:
Date registered:
Patents
See attached spreadsheet.

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SCHEDULE A Issued Patents

Number Patent Number Title 6,342,884 Method and apparatus for using dimensional (3D) graphics pipe image and video editing, transfrepresentation images 6,456,287 Method and apparatus for 3D n images 6,356,280 Mechanism and apparatus for 10 nusing interactive scissors and 3D imaging for cost effective method for links 10 6,229,541 Use of templates for cost-effect stream objects 12 6,421,067 Electronic programming guide 54 6,205,485 Simulcast WEB page delivery 1 system 76 6,525,728 Method and apparatus for using dimensional (3D) graphics pipe image and video editing, transfer			
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6,342,884 6,456,287 6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485	er	Inventor(s)	Issue Date
6,456,287 6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485		Kamen, Yakov;	29-Jan-2002
6,456,287 6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485	dimensional (3D) graphics pipeline for cost effective digital Shirman, Leon	jital Shirman, Leon	
6,456,287 6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485 6,525,728	image and video editing, transformation, and representation		
6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485	56,287 Method and apparatus for 3D model creation based on 2D Kamen, Yakov;	2D Kamen, Yakov;	24-Sep-2002
6,356,280 6,452,594 6,570,586 6,229,541 6,421,067 6,205,485	images	Shirman, Leon	•
6,452,594 6,570,586 6,229,541 6,421,067 6,205,485 6,525,728	56,280 Mechanism and apparatus for realistic 3D model creation		12-Mar-2002
6,452,594 6,570,586 6,229,541 6,421,067 6,205,485 6,525,728		Shirman, Leon	
6,570,586 6,229,541 6,421,067 6,205,485 6,525,728	52,594 Method and apparatus for using a 3D graphics pipeline		17-Sep-2002
6,570,586 6,229,541 6,421,067 6,205,485 6,525,728	and 3D imaging for cost effective watermarking	Shirman, Leon	
6,229,541 6,421,067 6,205,485 6,525,728	70,586 Bandwidth effective method for communicating interactive Kamen, Yakov,	ive Kamen, Yakov;	27-May-2003
6,229,541 6,421,067 6,205,485 6,525,728		Shirman, Leon	•
6,421,067 6,205,485 6,525,728	29,541 Use of templates for cost-effective secure linking of video		8-May-2001
6,421,067 6,205,485 6,525,728		Shirman, Leon	
6,205,485		Kamen, Yakov;	16-Jul-2002
6,205,485		Shirman, Leon	
6,525,728	35,485 Simulcast WEB page delivery using a 3D user interface	Kikinis, Dan	20-Mar-2001
6,525,728	system		
dimensional (3D) graphics pipe image and video editing, transfer	25,728 Method and apparatus for using a general three-	Kamen, Yakov;	25-Feb-2003
image and video editing, transfi	dimensional (3D) graphics pipeline for cost effective digital		
	image and video editing, transformation, and	,	
representation	representation		

SCHEDULE A Published Patent Applications

Application Number June Serial Number Sugged Number Sugged Serial Number Number 20020059605 Universal programming system and method for EPG with Kiknis, Dan; added offline archive content 16-May-2002 19-84339 20020059606 Universal programming system and method for EPG with Kiknis, Dan; added offline archive method for EPG with Kiknis, Dan; Amen, Yakov 16-May-2002 19-84339 20020054066 Method and system for inputting time in a video Kiknis, Dan; Akov 1-Nov-2001 19-83386 2002005910 Nembrod and system for inputting time in a video Kiknis, Dan; Akov 17-Jan-2002 19-8876246 20020005910 Novel cursor control system Kiknis, Dan; Takov 17-Jan-2002 19-875461 20020010926 Remote control of program scheduling Kiknis, Dan 17-Jan-2002 19-875641 20020010925 Remote control of program scheduling Kiknis, Dan 14-Feb-2002 19-875641 2002001926 Remote control of program scheduling Kiknis, Dan 14-Feb-2002 19-875641 2002001926 Remote control of program scheduling Kiknis, Dan; Takov 14-Feb-2002 19-875641 2002001936 <	SurfTV	USPTO			Date Application		
Number	Docket	Application			Number	Serial	
20020059606 Universal programming system and method for EPG with Kikinis, Dan., Incoalized interactive content content karnen, Yakov Universal programming system and method for EPG with Kikinis, Dan., Adade offiline archive content or inputting time in a video Kikinis, Dan., Karnen, Yakov Kikinis, Dan., Karnen, Yakov Kikinis, Dan., Karnen, Yakov Kikinis, Dan., Karnen, Yakov Karnen, Yakov 200200059910 Novel cursor control system for inputting time in a video Karnen, Yakov 20020007488 Transparent object management for removable media Kikinis, Dan., Karnen, Yakov 20020019980 Remote control of program scheduling Kikinis, Dan., Karnen, Yakov 20020019980 Remote control of program scheduling Kikinis, Dan., Karnen, Yakov 20020019990 Method and apparatus for notifying users of interactive Kikinis, Dan., Karnen, Yakov, Karnen, Ya	Number	Number		Inventor(s)	Assigned	Number	Filing Date
20020059606 Universal programming system and method for EPG with Kikinis, Dan; added offline archive 20020054066 Method and system for inputting time in a video Kikinis, Dan; Amen, Yakov 2002005910 Method and system for inputting time in a video Kikinis, Dan; Ramen, Yakov 20020005910 Movel cursor control system 20020007488 Transparent object management for removable media Kikinis, Dan (Rikinis, Dan 20020019980 Remote control of program scheduling Kikinis, Dan (Rikinis, Dan 20020019980 Remote control of program scheduling Kikinis, Dan (Rikinis, Dan 20020019980 Remote control of program scheduling Kikinis, Dan (Rikinis, Dan 20020019986 Enhanced home entertainment system with removable Kikinis, Dan (Rikinis, Dan 10ng-term storage Enhanced home entertainment system with removable Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking system for existing set-top boxes Kikinis, Dan (Ding-term storage Integrated book-marking capabilities and those unable to expand to support browsing or interactive linking (Downloading and transfer of audio or video data from (Karnen, Yakov attributes) (Download and apparatus for generation of a preferred Karnen, Yakov attributes) (Downloading programs ist proad-casted programs list (Dose Droad-casted programs list (Do	20	20020059605	Universal programming system and method for EPG with localized interactive content	Kikinis, Dan; Kamen, Yakov	16-May-2002	09-854334	1.1-May-2001
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20020019980 Remote control of program scheduling Kikinis, Dan 20020019980 Remote control of program scheduling Kikinis, Dan 2002001925 Remote control of program scheduling Kikinis, Dan 2002001935 Method and apparatus for notifying users of interactive Kikinis, Dan; Interactivity using voice commands Kikinis, Dan Including those without browsing capabilities and those unable to expand to support browsing or interactive linking Kazantsev, Serger; Interactive Interactive Inking Kamen, Yakov broadcasted programs list	<u>×</u>	20020007488	Transparent object management for removable media	Kikinis, Dan;	17-Jan-2002	09-858762	15-May-2001
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20020059597 Method and apparatus for notifying users of interactive Kikinis, Dan; functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable Kikinis, Dan long-term storage 20020049982 Integrated book-marking system for existing set-top boxes Kikinis, Dan including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from Gurevich, Leonid; video broadcasts 20020047849 Method and system for modification of EPG object Kamen, Yakov broadcasted programs list	36	20020010925		Kikinis, Dan	24-Jan-2002	09-875460	5-Jun-2001
tunctions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable (Kikinis, Dan ong-term storage) 20020049982 Integrated book-marking system for existing set-top boxes (Kikinis, Dan including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from (Azzantsev, Serger, Video broadcasts) 20020047849 Method and system for modification of EPG object (Aamen, Yakov broadcasted programs list	37	20020059597		Kikinis, Dan;	24-Jan-2002	09-875707	5-Jun-2001
20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable 20020019982 Integrated book-marking system for existing set-top boxes Kikinis, Dan including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from Gurevich, Leonid; video broadcasts 20020047849 Method and system for modification of EPG object Kamen, Yakov attributes 20020085090 Method and apparatus for generation of a preferred Kamen, Yakov broadcasted programs list			functions	Kamen, Yakov			
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including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from Kazantsev, Sergei; video broadcasts 20020047849 Method and system for modification of EPG object Kamen, Yakov 20020085090 Method and apparatus for generation of a preferred Kamen, Yakov broadcasted programs list	40	20020049982	Integrated book-marking system for existing set-top boxes	Kikinis, Dan	25-Apr-2002	09-947286	5-Sep-2001
20020073428 Downloading and transfer of audio or video data from Gurevich, Leonid; video broadcasts Olkha, Lev; Zaslavsky, Eduard attributes attributes attributes broadcasted programs list			including those without browsing capabilities and those		•		•
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video broadcasts video broadcasts Kazantsev, Sergei; Olkha, Lev; Zaslavsky, Eduard attributes 20020085090 Method and apparatus for generation of a preferred broadcasted programs list	45	20020073428	Downloading and transfer of audio or video data from	Gurevich, Leonid;	13-Jun-2002	09-733824	8-Dec-2000
20020047849 Method and system for modification of EPG object Kamen, Yakov attributes 20020085090 Method and apparatus for generation of a preferred Kamen, Yakov broadcasted programs list			video broadcasts	Kazantsev, Sergei; Olkha Lev			
20020047849 Method and system for modification of EPG object Kamen, Yakov attributes 20020085090 Method and apparatus for generation of a preferred Kamen, Yakov broadcasted programs list				Zaslavsky, Eduard			
20020085090 Method and apparatus for generation of a preferred Kamen, Yakov broadcasted programs list	46	20020047849		Kamen, Yakov	25-Apr-2002	069606-60	19-Jul-2001
	. 47	20020085090	Method and apparatus for generation of a preferred broadcasted programs list	Kamen, Yakov	4-Jul-2002	10-029784	19-Oct-2001

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				Date		
SurfTV	USPTO			Application		
Docket	Application			Number	Serial	
Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
48	20020083452	Method and system for inserting a new channel into a list of preferred channels	Kikinis, Dan	27-Jun-2002 10-029508	10-029508	19-Oct-2001
49	20020087595	Method and apparatus for virtual editing of multimedia	Friedman, Glen;	4-Jul-2002	4-Jul-2002 09-997713	29-Nov-2001
20	20020087985	Methods and apparatuses for displaying meaningful	Kamen, Yakov;	4-Jul-2002	4-Jul-2002 09-997336	29-Nov-2001
25	20020083450	abbreviated program titles Method and system for content-based broadcasted	Shkolnik, Boris Kamen, Yakov,	27-Jun-2002 10-008229	10-008229	30-Nov-2001
53	20020093594	Mikinis, Dan Method and system for identifying addressing data within a Kikinis, Dan	Kikinis, Dan Kikinis, Dan	18-Jul-2002 10-011856	10-011856	4-Dec-2001
55	20020166122	Image-oriented electronic programming guide	Kikinis, Dan;	7-Nov-2002 10-072114	10-072114	5-Feb-2002
			Howe, Rick; Kamen, Yakov			
%	20020113798	Modifying object geometry to accommodate information attributes	Kamen, Yakov	22-Aug-2002 10-059943	10-059943	28-Jan-2002
25	20020129369	Mechanism and apparatus for construction of modular- based interactive programming guides and TV portals	Kamen, Yakov	12-Sep-2002 10-059547	10-059547	28-Jan-2002
58	20020124264	Freezing live video frames with interactive links	Kikinis, Dan	5-Sep-2002	5-Sep-2002 10-087778	1-Mar-2002
69	20020124254	Method and system for advertising based on the content of Kikinis, Dan selected channels or broadcasted programs	Kikinis, Dan	5-Sep-2002 10-085886	10-085886	27-Feb-2002
09	20020188946	Method and system for interactive programming guide background selection	Kohne, Brian	12-Dec-2002 10-090206	10-090206	1-Mar-2002
61	20030014752	Method and apparatus for generating a mosaic style electronic programming guide	Zaslavsky, Eduard; Olkha, Lev	16-Jan-2003 10-157574	10-157574	28-May-2002
63	20020129370	Method and system for implementing an electronic program guide	Kikinis, Dan	12-Sep-2002 10-071091	10-071091	7-Feb-2002
5 9	20020122079	Multimedia interactive device function selection based upon button depression duration	Kamen, Yakov; Kikinis, Dan	5-Sep-2002 10-087975	10-087975	1-Mar-2002
65	20030023976	Novel method for making selections in search criteria in TV EPGs	Kamen, Yakov; Kikinis, Dan;	30-Jan-2003 10-159543	10-159543	31-May-2002
			Konne, Brian			

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2003 2003 2003 2003 2003 2003 2003 2003					Date		
Title		JSPTO			Application		
Number Title Number Title		Application			Number	Serial	
20030011636 Methods and apparatuses for conducting a TV EPG Kamen, Yakov; search in various search time periods (Kikinis, Dan; Kimbali, Brian; Interactive television guide system implementing the method method for magnifying images on a display screen and an Feroglia, Gene; interactive television guide system implementing the method program guide and ne electronic program guide and an electronic program for controlling access to individual famen, Yakov descriptions of recorded content and electronic programming packages (Embali, Brian Programming packages) (Embali, Brian Programming packages) (Embali, Brian Perogram guide system for enabling visitors to subscribe to Kikinis, Dan; programming program information in a hierarchical (Karantsev, Serget; manner and interactive program guide system (Kikinis, Dan; programs and apparatus for realistic 3D model creation (Karnen, Yakov; Implementing the method (Kikinis, Dan) (Michia, Lev; Implementing the method (Kikinis, Dan) (Kikinis		lumber		Inventor(s)	Assigned	Number	Filing Date
Method for magnifying images on a display screen and a Forogila, Gene; interactive television guide system implementing the method for displaying channel listings in an electronic method implementing the method and system for controlling access to individual method. 2003001470 Method and system for replacing/obscuring titles and descriptions of recorded content advantage of the content and interactive TV environment for TV kikinis, Dan; programming packages and method and system for enabling visitors to subscribe to ferogila. Simulcast web page delivery and system for realistic 3D model creation method. Surgery and method for providing program information in a hierarchical method. Turnnenko, Serger; manner and interactive program guide system solutions. Shirman, Leon 20020073219 Simulcast web page delivery and apparatus for realistic 3D model creation based on 2D kinman, Leon shirman, Leon Shirman	8 .	20030046698	s for conducting a TV EPG time periods	Kamen, Yakov; Kikinis, Dan;	6-Mar-2003	10-166810	10-Jun-2002
20030011636 Method for magnifying images on a display screen and an Feroglia, Gene; interactive television guide system implementing the kohne, Brian; method and system for controlling access to individual framen, Yakov titles and system for replacing/obscuring titles and Method and system for renabling visitors to subscribe to Kikinis, Dan; programming packages Customer self service in interactive TV environment for TV Kikinis, Dan; programming packages Kamen, Yakov; Kimball, Brian Amanner and interactive program information in a hierarchical Kazantsev, Serger; implementing the method and system of realistic 3D model creation Kamen, Yakov; implementing the method Solution of recolusions and apparatus for realistic 3D model creation Kamen, Yakov; implementing and apparatus for realistic 3D model creation Kamen, Yakov; siming interactive scissors Shirman, Leon			=	Kimball, Brian			
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descriptions of recorded content 20030023980 Customer self service in interactive TV environment for TV Kikinis, Dan; programming packages 20030014546 Method and system for enabling visitors to subscribe to Currently-viewed programming packages Currently-viewed programming packages Currently-viewed programming packages Currently-viewed programming packages Kimball, Brian 20030028881 Method for providing program information in a hierarchical Kazantsev, Sergei; manner and interactive program guide system CO020073219 Simulcast web page delivery CO020073219 Simulcast web page delivery CO020093513 Mechanism and apparatus for realistic 3D model creation Kamen, Yakov, using interactive scissors CO020167515 Method and apparatus for 3D model creation based on 2D Kamen, Yakov, images CO020171686 Electronic programming guide Shirman, Leon	70	20030007782		Kamen, Yakov	9-Jan-2003	10-177502	19-Jun-2002
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20030014546 Method and system for enabling visitors to subscribe to currently-viewed programming packages Kamen, Yakov, Kimball, Brian Azantsev, Sergei; Manner and interactive program guide system manner and interactive program guide system CO020073219 Simulcast web page delivery Simulcast web page delivery CO020093513 Mechanism and apparatus for realistic 3D model creation CO020167515 Method and apparatus for 3D model creation based on 2D Kamen, Yakov; images CO020171686 Electronic programming guide Shirman, Leon Shirman, Leon Shirman, Leon Shirman, Leon				Kamen, Yakov;			
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20030028881 Method for providing program information in a hierarchical Kazantsev, Sergei; manner and interactive program guide system Caslavsky, Eduard; implementing the method and apparatus for realistic 3D model creation Kamen, Yakov; Shirman, Leon Shi				Feroglia, Gene;			
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20020073219 Simulcast web page delivery 20020093513 Mechanism and apparatus for realistic 3D model creation Kamen, Yakov; using interactive scissors 20020167515 Method and apparatus for 3D model creation based on 2D Kamen, Yakov; images 20020171686 Electronic programming guide Shirman, Leon Shirman, Leon Shirman, Leon Shirman, Leon Shirman, Leon				Olkha, Lev;			
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20020167515 Method and apparatus for 3D model creation based on 2D Kamen, Yakov, images 20020171686 Electronic programming guide Shirman, Leon Shirman, Leon Shirman, Leon Shirman, Leon	11	20020093513		Kamen, Yakov;	18-Jul-2002	10-039589	4-Jan-2002
20020167515 Method and apparatus for 3D model creation based on 2D Kamen, Yakov, images 20020171686 Electronic programming guide Kamen, Yakov, Shirman, Leon				Shirman, Leon			
20020171686 Electronic programming guide Kamen, Yakov; Shirman, Leon	81	20020167515		Kamen, Yakov;	14-Nov-2002	10-144055	10-May-2002
20020171686 Electronic programming guide Kamen, Yakov;				Shirman, Leon			•
Shirman, Leon	82	20020171686	guide	Kamen, Yakov;	21-Nov-2002	10-156167	28-May-2002
			3	Shirman, Leon			

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Surfiv								
Docket			Provisional	Provisional	Utility Filing	USPTO URIIN	PCT Filing	
Number	Title	Inventor(s)	Filing Date	Number		Serial Number	Date	PCT Number
=	anner advertisements during	Kamen, Yakov;	N/A	A/A	24-Nov-1999	09-449016	13-Nov-2000	13-Nov-2000 WO 01-39493
		Shirman, Leon						
5	Method and apparatus for controlling the movement or changing the appearance of a three-dimensional element	Kamen, Yakov; Shirman, Leon	16-Feb-2000	60-182838	15-Feb-2001	09-784961	16-Feb-2001	16-Feb-2001 WO 01-61996
4	Mechanism and apparatus for a 3D enabled web navigator	Kamen, Yakov;	16-Feb-2000	60-182870	15-Feb-2001	09-784840	16-Feb-2001	16-Feb-2001 WO 01-60142
5	Method and system for optimal usage of memory for	Kamen, Yakov,	16-Mar-2000	60-190327	18-Oct-2000	09-691794		
9	Т	Shirman, Leon						
2	metriod and system for adaptive electronic programming guide	Kamen, Yakov; Shirman I eon	16-Mar-2000	60-190349	18-Oct-2000	09-691792		
17	method for EPG use in conjunction with object	Kikinis, Dan	27-Mar-2000	60-192163	18-Oct-2000	09-691796		
8	Real world world correlation system using a 3D	Kikinis, Dan	5-Apr-2000	60-194977	31-Oct-2000	09-704387	3-Apr-2001	3-Apr-2001 WO 01-78014
9	Unional programming	;						
2		Kamen, Yakov; Shirman, Leon	20-Apr-2000	60-199013	7-Nov-2000	09-708220	10-Apr-2001	10-Apr-2001 WO 01-82594
8	cts	Kikinis, Dan	6-Apr-2000	60-195161	18-Oct-2000	09-691790		
24	he same or similar shows	Kikinis, Dan	5-May-2000	60-202303	29-Dec-2000	09-752612		
77		Kikinis, Dan	27-Apr-2000	60-200514	27-Apr-2001	09-844998		
88	\neg	Kikinis, Dan	20-Apr-2000	60-199009	31-Aug-2000	09-653518		
83		Kikinis, Dan	11-May-2000	60-203496	13-Feb-2001	09-782896		
දි	Three-dimensional light electronic programming guide	Kikinis. Dan	8-Mav-2000	60-203128	19-Sep-2000	00.665367	24 May 2004	24_May 2004 WO 02 25626
3		Kikinis, Dan	16-May-2000	60-204875	13-Feb-2001	09-782916	INIGN-2001	WO 02-20020
35		Kamen, Yakov;	2~Jun-2000	60-208883	19-Sep-2000	09-664843		
33	d media into a broadcast	Kaman Valen	42 1::- 2000	200770	3			
		Kikinis, Dan	13~2000	665112-09	13-Sep-2000	09-661164	9-Apr-2001	9-Apr-2001 WO 01-95694
4	Enhanced interactive messaging environment	Olkha, Lev;	11-Aug-2000	60-224824	19-Sep-2000	09-664844		
		Gurevich, Leonid; Kazantsev, Sergei;						
,		Zaslavsky, Eduard		_				
24	 1-commerce of non-video information associated with TV programs 	Olkha, Lev;	30-Aug-2000	60-229249	8-Dec-2000	09-773806		
		Kazantsev, Sergei; Zaelavsky, Eduard			•			
43	ne notification of TV shows matching specified	Olkha, Lev;	30-Aug-2000	60-229250	8-Dec-2000	09-773774		
		Gurevich, Leonid;)			•		
		Kazantsev, Sergei;		-				
		Zasiavsky, Eduaro						

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ISurfTV Docket Number	Title	Inventor(s)	Provisional Filing Date	Provisional Number		USPTO Utility Serial Number	PCT Filing Date	PCT Num ber
4	Enhanced integrated book-marking system for existing set- top boxes including those without browsing capabilities and those unable to support browsing or interactive linking		6-Sep-2000	60-230494	8-Dec-2000	09-733310		
51	Alphabetic search using single application of keys	Kikinis, Dan	1-Dec-2000	60-250980	28-Nov-2001	09-996456	3-Dec-2001	3-Dec-2001 WO 02-44880
62	guide	Zaslavsky, Eduard; Kikinis, Dan	29-May-2001	60-294455	28-May-2002	10-157437		
73	Use of templates for cost-effective secure linking of video stream objects	Kamen, Yakov; Shirman, Leon			26-Mar-2001			
78	Enhanced personal video recorder architecture	Kikinis, Dan	25~Jan-2002	60-352187	25~Jan-2003	10-351228		
79		Kikinis, Dan	25-Jan-2002	60-352142	25-Jan-2003	10-351027		
80	ing environment	Kamen, Yakov; Mizutani, Yoshihiro	28-Feb-2002	60-360582				
83	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
\$	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
88	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
98	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
87	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
88	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
68	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
8	Compact IPG	Ezekwe, David						
91	Method of video recording spam control for a high- capacity storage system							
	Mechanism and apparatus for adaptive, fast, cost effective texture mapping in 3D rendening	Gordon, Iouri: Ezekwe, David; Kazantsev, Sergei; Kamen, Yakov; Misurani Yoshim			-			
93	Mechanism and apparatus for adaptive event description generation using multi-resolutional description database	Kamen, Yakov						
ቋ	Method and apparatus for effective content recording in digital personal video recorders	Kamen, Yakov						

SCHEDULE A Other Pending Applications

> LD2								
Docket			Provisional	Provisional	Hillity Filling HISBTO Hillity	I ISPTO LIMITA	Scilla TOO	
Number Title	Title	Inventor(s)	Filing Date		Date	Date Serial Number		DCT Namber
92	95 Method and apparatus for effective information storage in	=						
	high-capacity personal video recorders	•						
88	dural texture	Kamen, Yakov						
	mapping pipeline to generate text-based textures							

SCHEDULE A Combined Patent Applications

ISurfTV Docket Number Titte	Ttte	Inventor(s)	Provisional Filing Date	USPTO USING Utility Provisional Utility Filing Serial Filing Date Number Date Number	USPTO Utility Utility Filing Serial Date Number	USPTO Utility Serial Number	PCT Filing Date	2T Filing Date PCT Number NOTES	NOTES
7	Method and apparatus for interactive marking of moving Kamen, Yakov, objects in video streams and animated image sequences Shirman, Leon	Kamen, Yakov; Shirman, Leon	¥	NA N	3-Sep-1999		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18676 PCT combined -Docket #9
ဆ	Method and apparatus for recognition of optimal intermediate key frame for object tracking in video streams and animated sequences.	Kamen, Yakov; Shirman, Leon	N/A	NA	3-Sep-1999		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18676 PCT combined -Docket #9

SCHEDULE A
Abandoned Patent Applications

SureTV						USPTO		
Docket			Provisional	Provisional	Provisional Provisional Utility Filing Serial	Serial	PCT Filing	
Number Title	Title	Inventor(s)	Filing Date	Number	Date Number	Number	Date	Date PCT Number
4	Novel method and apparatus for controlling video	Kamen, Yakov;	3-Feb-1999	N/A	20-Aug-1999 N/A		2-Feb-2000	2-Feb-2000 WO 00-46680
	programming	Shirman, Leon						
4a	Remote control device	Kamen, Yakov;	25-Jun-1999	A/A	N/A 20-Aug-1999		2-Feb-2000	N/A 2-Feb-2000 WO 00-46680
		Shirman, Leon						

SCHEDULE A Foreign Patent Filings

	SurTV Docket		International				
Attorney	Number	Reference No.	Filing Date	PCT Application #	Publication No.	Status	Additional Information
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reeds	7	isurTV7.JP			PCT/US00/24263	national phase	
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